



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,616

Source: Pr/09

Date Processed by STIC: 5/12/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/674,616

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPILA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 3rd amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

re-run

PCT

RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/674,616

TIME: 11:56:43

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

3 <110> APPLICANT: Storey, Anthony E.
 4 Mendizabal, Marivi
 5 Champion, Susan
 6 Gibson, Alex
 7 Guilbert, Benedicte
 8 Wilson, Ian A.
 9 Knox, Peter A.
 11 <120> TITLE OF INVENTION: Labelled Glutamine and Lysine Analogues
 13 <130> FILE REFERENCE: PA9816
 15 <140> CURRENT APPLICATION NUMBER: 09/674,616
 16 <141> CURRENT FILING DATE: 2000-11-1
 18 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01550
 19 <151> PRIOR FILING DATE: 1999-05-14
 21 <150> PRIOR APPLICATION NUMBER: EPO 98303872.0
 22 <151> PRIOR FILING DATE: 1998-05-15
 24 <160> NUMBER OF SEQ ID NOS: 29
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 12
 30 <212> TYPE: PRT
 31 <213> ORGANISM: synthetic peptide
 33 <400> SEQUENCE: 1
 35 Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys
 36 1 5 10
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 13
 41 <212> TYPE: PRT
 42 <213> ORGANISM: synthetic peptide
 44 <400> SEQUENCE: 2
 46 Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly
 47 1 5 10
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 13
 52 <212> TYPE: PRT
 53 <213> ORGANISM: synthetic peptide
 55 <400> SEQUENCE: 3
 57 Asn Gln Glu Ala Val Ser Pro Tyr Thr Leu Leu Lys Gly
 58 1 5 10
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 13
 63 <212> TYPE: PRT
 64 <213> ORGANISM: synthetic peptide
 66 <400> SEQUENCE: 4

pg 1-6
Does Not Comply
Corrected Diskette Needed

initiated response - see item 10
on Enov
Summary
Sheet

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,616

DATE: 03/27/2003

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Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

68 Asn Ala Glu Ala Val Ser Pro Tyr Thr Leu Leu Lys Gly

69 1 5 10

72 <210> SEQ ID NO: 5

73 <211> LENGTH: 13

74 <212> TYPE: PRT

75 <213> ORGANISM: synthetic peptide

77 <400> SEQUENCE: 5

79 Asn Gln Gln Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly

80 1 5 10

83 <210> SEQ ID NO: 6

84 <211> LENGTH: 3

85 <212> TYPE: PRT

86 <213> ORGANISM: synthetic peptide

88 <400> SEQUENCE: 6

90 Asn Gln Gly

91 1

94 <210> SEQ ID NO: 7

95 <211> LENGTH: 6

96 <212> TYPE: PRT

97 <213> ORGANISM: synthetic peptide

99 <400> SEQUENCE: 7

101 Asn Gln Glu Gln Val Gly

102 1 5

105 <210> SEQ ID NO: 8

106 <211> LENGTH: 9

107 <212> TYPE: PRT

108 <213> ORGANISM: synthetic peptide

110 <400> SEQUENCE: 8

112 Asn Gln Glu Gln Val Ser Pro Tyr Gly

113 1 5

116 <210> SEQ ID NO: 9

117 <211> LENGTH: 13

118 <212> TYPE: PRT

119 <213> ORGANISM: synthetic peptide

121 <400> SEQUENCE: 9

123 Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys Gly

124 1 5 10

127 <210> SEQ ID NO: 10

128 <211> LENGTH: 13

129 <212> TYPE: PRT

130 <213> ORGANISM: synthetic peptide

132 <220> FEATURE:

133 <221> NAME/KEY: MISC_FEATURE

134 <222> LOCATION: (8)..(8)

135 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = 2-naphthylalanine

138 <400> SEQUENCE: 10

OK 140 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly

141 1 5 10

144 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/674,616

TIME: 11:56:43

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

145 <211> LENGTH: 13
146 <212> TYPE: PRT
147 <213> ORGANISM: synthetic peptide
149 <220> FEATURE:
150 <221> NAME/KEY: MISC_FEATURE
151 <222> LOCATION: (8)..(8)
152 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = pBr-Phe
155 <400> SEQUENCE: 11

WLS 157 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly
158 1 5 10

161 <210> SEQ ID NO: 12
162 <211> LENGTH: 13
163 <212> TYPE: PRT
164 <213> ORGANISM: synthetic peptide
166 <220> FEATURE:
167 <221> NAME/KEY: MISC_FEATURE
168 <222> LOCATION: (8)..(8)
169 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = I-Tyr
172 <400> SEQUENCE: 12

WLS 174 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly
175 1 5 10

178 <210> SEQ ID NO: 13
179 <211> LENGTH: 13
180 <212> TYPE: PRT
181 <213> ORGANISM: synthetic peptide
183 <220> FEATURE:
184 <221> NAME/KEY: MISC_FEATURE
185 <222> LOCATION: (8)..(8)
186 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = I2-Tyr
189 <400> SEQUENCE: 13

WLS 191 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly
192 1 5 10

195 <210> SEQ ID NO: 14
196 <211> LENGTH: 13
197 <212> TYPE: PRT
198 <213> ORGANISM: synthetic peptide
200 <220> FEATURE:
201 <221> NAME/KEY: MISC_FEATURE
202 <222> LOCATION: (12)..(12)
203 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
206 <400> SEQUENCE: 14

WLS 208 Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Xaa Gly
209 1 5 10

212 <210> SEQ ID NO: 15
213 <211> LENGTH: 13
214 <212> TYPE: PRT
215 <213> ORGANISM: synthetic peptide
217 <220> FEATURE:
218 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,616

DATE: 03/27/2003

TIME: 11:56:43

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

219 <222> LOCATION: (8)..(8)
220 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
223 <220> FEATURE:
224 <221> NAME/KEY: MISC_FEATURE
225 <222> LOCATION: (12)..(12)
226 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
229 <400> SEQUENCE: 15
231 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly
232 1 5 10
235 <210> SEQ ID NO: 16
236 <211> LENGTH: 13
237 <212> TYPE: PRT
238 <213> ORGANISM: synthetic peptide
240 <220> FEATURE:
241 <221> NAME/KEY: MISC_FEATURE
242 <222> LOCATION: (6)..(6)
243 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Ser
246 <220> FEATURE:
247 <221> NAME/KEY: MISC_FEATURE
248 <222> LOCATION: (8)..(8)
249 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
252 <220> FEATURE:
253 <221> NAME/KEY: MISC_FEATURE
254 <222> LOCATION: (12)..(12)
255 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
258 <400> SEQUENCE: 16
260 Asn Gln Glu Gln Val Xaa Pro Xaa Thr Leu Leu Xaa Gly
261 1 5 10
264 <210> SEQ ID NO: 17
265 <211> LENGTH: 13
266 <212> TYPE: PRT
267 <213> ORGANISM: synthetic peptide
269 <220> FEATURE:
270 <221> NAME/KEY: MISC_FEATURE
271 <222> LOCATION: (5)..(5)
272 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Val
275 <220> FEATURE:
276 <221> NAME/KEY: MISC_FEATURE
277 <222> LOCATION: (6)..(6)
278 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Ser
281 <220> FEATURE:
282 <221> NAME/KEY: MISC_FEATURE
283 <222> LOCATION: (8)..(8)
284 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
287 <220> FEATURE:
288 <221> NAME/KEY: MISC_FEATURE
289 <222> LOCATION: (12)..(12)
290 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
293 <400> SEQUENCE: 17

RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/674,616

TIME: 11:56:43

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

295 Asn Gln Glu Gln Xaa Xaa Pro Xaa Thr Leu Leu Xaa Gly
 296 1 5 10
 299 <210> SEQ ID NO: 18
 300 <211> LENGTH: 13
 301 <212> TYPE: PRT
 302 <213> ORGANISM: synthetic peptide
 304 <220> FEATURE:
 305 <221> NAME/KEY: MISC_FEATURE
 306 <222> LOCATION: (1)..(1)
 307 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Asn
 310 <220> FEATURE:
 311 <221> NAME/KEY: MISC_FEATURE
 312 <222> LOCATION: (8)..(8)
 313 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
 316 <220> FEATURE:
 317 <221> NAME/KEY: MISC_FEATURE
 318 <222> LOCATION: (12)..(12)
 319 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
 322 <400> SEQUENCE: 18
 324 Xaa Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly
 325 1 5 10
 328 <210> SEQ ID NO: 19
 329 <211> LENGTH: 13
 330 <212> TYPE: PRT
 331 <213> ORGANISM: synthetic peptide
 333 <220> FEATURE:
 334 <221> NAME/KEY: MISC_FEATURE
 335 <222> LOCATION: (8)..(8)
 336 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
 339 <220> FEATURE:
 340 <221> NAME/KEY: MISC_FEATURE
 341 <222> LOCATION: (12)..(12)
 342 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Lys
 345 <220> FEATURE:
 346 <221> NAME/KEY: MISC_FEATURE
 347 <222> LOCATION: (13)..(13)
 348 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = beta-Ala
 351 <400> SEQUENCE: 19
 353 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Xaa
 354 1 5 10
 357 <210> SEQ ID NO: 20
 358 <211> LENGTH: 12
 359 <212> TYPE: PRT
 360 <213> ORGANISM: synthetic peptide
 362 <220> FEATURE:
 363 <221> NAME/KEY: MISC_FEATURE
 364 <222> LOCATION: (7)..(7)
 365 <223> OTHER INFORMATION: MISC_FEATURE "Xaa" = D-Tyr
 368 <220> FEATURE:

The types of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,616

DATE: 03/27/2003
TIME: 11:56:44

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. 8
Seq#:11; Xaa Pos. 8
Seq#:12; Xaa Pos. 8
Seq#:13; Xaa Pos. 8
Seq#:14; Xaa Pos. 12
Seq#:15; Xaa Pos. 8,12
Seq#:16; Xaa Pos. 6,8,12
Seq#:17; Xaa Pos. 5,6,8,12
Seq#:18; Xaa Pos. 1,8,12
Seq#:19; Xaa Pos. 8,12,13
Seq#:20; Xaa Pos. 7,11
Seq#:23; Xaa Pos. 5,6
Seq#:26; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 03/27/2003

PATENT APPLICATION: US/09/674,616

TIME: 11:56:44

Input Set : A:\09-674616 - sequence listing.txt

Output Set: N:\CRF4\03272003\I674616.raw

L:16 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0